	2	3	4	5	Image Doc. Displayed	PT
81	☐	☐	☐	☐		☐
82	☐	☐	☐	☐		☐
83	☐	☐	☐	☐		☐
84	☐	☐	☐	☐		☐

	U	1	Document ID	Issue Date	Pages	Title
1	☒	☐	US 6640110 B1	20031028	39	Scalable cellular communications system
2	☒	☐	US 6628952 B1	20030930	16	Method of increasing capacity in a fixed wireless access network in which subscribers communicate with base stations via directional antennas
3	☒	☐	US 6611500 B1	20030826	16	Methods and apparatus for derivative-based optimization of wireless network performance
4	☒	☐	US 6600792 B2	20030729	16	Predistortion technique for high power amplifiers
5	☒	☐	US 6591108 B1	20030708	9	Apparatus and method to reduce the reuse factor for adaptive-dynamic channel assignment systems
6	☒	☐	US 6560209 B1	20030506	38	Method for frequency division duplex communications
7	☒	☐	US 6545990 B1	20030408	13	Method and apparatus for a spectrally compliant cellular communication system
8	☒	☐	US 6535666 B1	20030318	112	Method and apparatus for separating signals transmitted over a waveguide
9	☒	☐	US 6516189 B1	20030204	62	System and method for gathering data from wireless communications networks
10	☒	☐	US 6512752 B1	20030128	10	Adaptive carrier assignment in multiple reuse patterns for packet data systems based on service type and user location
11	☒	☐	US 6496699 B2	20021217	22	Method for self-calibration of a wireless communication system
12	☒	☐	US 6493331 B1	20021210	51	Method and apparatus for controlling transmissions of a communications systems
13	☒	☐	US 6490314 B1	20021203	11	Method for overlay of narrowband and wideband communication systems
14	☒	☐	US 6477370 B1	20021105	85	Satellite trunked radio service system
15	☒	☐	US 6473623 B1	20021029	23	Method for self-calibration of a wireless communication system

	Current OR	Current XRef	Retrieval Classif	Inventor	S	C	P
1		342/373; 455/561		Shapira, Joseph et al.	☐	☐	☐
2	455/446	455/453; 455/522		Hankins, Timothy R et al.	☐	☐	☐
3	370/252	370/254		Clarkson, Kenneth L. et al.	☐	☐	☐
4	375/297	330/149; 455/126		Antonio, Franklin P. et al.	☐	☐	☐
5	455/452.1	370/330; 455/513		Herrig, Hanz Werner	☐	☐	☐
6	370/330	370/203; 370/206; 370/281; 370/329; 370/336; 370/337		Alamouti, Siavash et al.	☐	☐	☐
7	370/335	370/342; 455/450		Amalfitano, Carlo et al.	☐	☐	☐
8	385/31	385/12; 398/82		Dogan, Mithat Can et al.	☐	☐	☐
9	455/405	455/2.01		Frangione, Tom et al.	☐	☐	☐
10	370/329	455/447; 455/450; 455/513		H'mimy, Hossam et al.	☐	☐	☐
11	455/452.1	455/62		Benveniste, Mathilde	☐	☐	☐
12	370/341	370/329; 370/332; 370/437		Walton, Jay R. et al.	☐	☐	☐
13	375/132	375/131		Khayrallah, Ali S. et al.	☐	☐	☐
14	455/427	455/512		Sigler, C. Edward et al.	☐	☐	☐
15	455/522	455/69		Benveniste, Mathilde	☐	☐	☐

	U	1	Document ID	Issue Date	Pages	Title
16	☒	☐	US 6442397 B1	20020827	22	Method for self-calibration of a wireless communication system
17	☒	☐	US 6438376 B1	20020820	15	Wireless communications management and control system using mobile station position and movement information
18	☒	☐	US 6411806 B1	20020625	72	Virtual network configuration and management system for satellite communications system
19	☒	☐	US 6405048 B1	20020611	14	Method and system for autonomously allocating frequencies to a radio system sharing frequencies with an overlapping macro radio system
20	☒	☐	US 6389067 B1	20020514	9	Method and apparatus for using frame energy metrics to improve rate determination
21	☒	☐	US 6374098 B1	20020416		Systems and methods for locating remote units operating in a radiocommunication system using an adjunct system
22	☒	☐	US 6359923 B1	20020319	244	Highly bandwidth efficient communications
23	☒	☐	US 6356607 B1	20020312	110	Preamble code structure and detection method and apparatus
24	☒	☐	US 6351643 B1	20020226		Method and system for autonomously allocating a frequency hopping traffic channel in a private radio system
25	☒	☐	US 6330452 B1	20011211		Network-based wireless location system to position AMPs (FDMA) cellular telephones, part I
26	☒	☐	US 6314294 B1	20011106		Method for self-calibration of a wireless communication system
27	☒	☐	US 6310704 B1	20011030		Communication apparatus for transmitting and receiving signals over a fiber-optic waveguide using different frequency bands of light
28	☒	☐	US 6278861 B1	20010821		Mobile earth terminal with roaming capability

	Current OR	Current XRef	Retrieval Classif	Inventor	S	C	P
16	455/522			Benveniste, Mathilde	☐	☐	☐
17	455/437	455/440		Elliott, Stephen B. et al.	☐	☐	☐
18	455/428	455/12.1; 455/430		Garner, William B. et al.	☐	☐	☐
19	455/464	455/448; 455/450		Haartsen, Jacobus C.	☐	☐	☐
20	375/225	375/150		Riddle, Christopher C. et al.	☐	☐	☐
21	455/404.2	342/457; 455/11.1; 455/456.5; 455/521; 455/9		Raith, Alex K. et al.	☐	☐	☐
22	375/130	370/342; 375/135; 375/136		Agee, Brian G. et al.	☐	☐	☐
23	375/354	370/509		Scott, Logan et al.	☐	☐	☐
24	455/450	455/444; 455/63.1		Haartsen, Jacobus C.	☐	☐	☐
25	455/456.1	342/457; 455/524; 455/67.16		Fattouche, Michel et al.	☐	☐	☐
26	455/452.2	455/62; 455/63.3		Benveniste, Mathilde	☐	☐	☐
27	398/9			Dogan, Mithat Can et al.	☐	☐	☐
28	455/13.1	455/430; 455/552.1; 455/557		Ward, Michael K. et al.	☐	☐	☐

	U	1	Document ID	Issue Date	Pages	Title
29	☒	☐	US 6272336 B1	20010807		Traffic-weighted closed loop power detection system for use with an RF power amplifier and method of operation
30	☒	☐	US 6266014 B1	20010724		Methods and apparatus to position a mobile receiver using downlink signals part IV
31	☒	☐	US 6262980 B1	20010717	20	Dynamic resource allocation method and apparatus for broadband services in a wireless communications system
32	☒	☐	US 6243580 B1	20010605		Priority and preemption service system for satellite related communication using central controller
33	☒	☐	US 6219539 B1	20010417		Systems and methods for implementing private wireless communications
34	☒	☐	US 6215983 B1	20010410		Method and apparatus for complex phase equalization for use in a communication system
35	☒	☐	US 6212387 B1	20010403		Method and apparatus for collector arrays of directional antennas co-located with zone managers in wireless communications systems
36	☒	☐	US 6208297 B1	20010327		Methods and apparatus to position a mobile receiver using downlink signals, part I
37	☒	☐	US 6208295 B1	20010327		Method for processing radio signals that are subject to unwanted change during propagation
38	☒	☐	US 6204812 B1	20010320		Methods and apparatus to position a mobile receiver using downlink signals, part II
39	☒	☐	US 6195554 B1	20010227		Channel assignment based on uplink interference level and channel quality measurements with a forward and backward reassignment step
40	☒	☐	US 6188906 B1	20010213	9	Method for coverage optimization of multi-frequency assignment system

	Current OR	Current XRef	Retrieval Classif	Inventor	S	C	P
29	455/423	455/126; 455/424; 455/574; 455/69		Appel, Mark J. et al.	☐	☐	☐
30	342/450	375/350; 455/456.6		Fattouche, Michel et al.	☐	☐	☐
31	370/336	370/337		Leung, Kin K. et al.	☐	☐	☐
32	455/428	455/12.1		Garner, William B.	☐	☐	☐
33	455/417			Basu, Kalyan et al.	☐	☐	☐
34	455/63.1	375/324; 375/325; 375/340; 455/303; 455/304		Dogan, Mithat Can et al.	☐	☐	☐
35	455/450	455/137; 455/273; 455/509; 455/562.1		McLaughlin, Michael David et al.	☐	☐	☐
36	342/450	375/350; 455/456.6		Fattouche, Michel et al.	☐	☐	☐
37	342/378	342/361; 342/362		Dogan, Mithat Can et al.	☐	☐	☐
38	342/457	375/350		Fattouche, Michel	☐	☐	☐
39	455/450	455/423; 455/452.2; 455/513		H'mimy, Hossam H. et al.	☐	☐	☐
40	455/453	370/331; 455/450; 455/522		Lim, Young-sik et al.	☐	☐	☐

	U	1	Document ID	Issue Date	Pages	Title
41	☒	☐	US 6185409 B1	20010206		Network engineering/systems engineering system for mobile satellite communication system
42	☒	☐	US 6157621 A	20001205	143	Satellite communication system
43	☒	☐	US 6154486 A	20001128	110	Preamble code structure and detection method and apparatus
44	☒	☐	US 6151512 A	20001121	17	Communication system having optimum resource arrangements in a multi-sectored environment and method therefor
45	☒	☐	US 6141373 A	20001031		Preamble code structure and detection method and apparatus
46	☒	☐	US 6131034 A	20001010		Method and apparatus for collector arrays in wireless communications systems
47	☒	☐	US 6112085 A	20000829		Virtual network configuration and management system for satellite communication system
48	☒	☐	US 6111857 A	20000829		Wireless network planning tool
49	☒	☐	US 6088341 A	20000711		Method for reducing co-channel of cross-polarization interference in a satellite data communication system by offsetting channel frequencies
50	☒	☐	US 6070090 A	20000530		Input specific independent sector mapping
51	☒	☐	US 6069885 A	20000530		Method and apparatus for providing high speed services using a wireless communications system
52	☒	☐	US 6058307 A	20000502		Priority and preemption service system for satellite related communication using central controller
53	☒	☐	US 6055432 A	20000425		Dynamic channel allocation in macrocells with random exclusion for allowing underlaying autonomous microcells
54	☒	☐	US 6047190 A	20000404		Dynamic channel allocation in macrocells with deterministic exclusion for allowing underlaying autonomous microcells

	Current OR	Current XRef	Retrieval Classif	Inventor	S	C	P
41	455/12.1	455/427		Threadgill, Michael E. et al.	☐	☐	☐
42	370/310	370/394; 370/400; 370/474		Brown, Alison K. et al.	☐	☐	☐
43	375/142	370/503; 375/143		Scott, Logan et al.	☐	☐	☐
44	455/562.1	370/331; 455/561		Chheda, Ashvin et al.	☐	☐	☐
45	375/150	375/142; 375/143; 375/152		Scott, Logan	☐	☐	☐
46	455/450	340/7.27; 370/337		McLaughlin, Michael David et al.	☐	☐	☐
47	455/428	455/430		Garner, William B. et al.	☐	☐	☐
48	370/254	370/335		Soliman, Samir S. et al.	☐	☐	☐
49	370/319	370/343; 375/260		Hinedi, Sami et al.	☐	☐	☐
50	455/561	455/560; 455/562.1		Feuerstein, Martin J.	☐	☐	☐
51	370/336	370/349		Fong, Thomas K. et al.	☐	☐	☐
52	455/428	455/12.1		Garner, William B.	☐	☐	☐
53	455/452.1	455/449		Haleem, Mohamed Abdul et al.	☐	☐	☐
54	455/452.1	455/449		Haleem, Mohamed Abdul et al.	☐	☐	☐

	U	1	Document ID	Issue Date	Pages	Title
55	☒	☐	US 6023459 A	20000208		Frequency assignment in wireless networks
56	☒	☐	US 6018317 A	20000125		Cochannel signal processing system
57	☒	☐	US 6009332 A	19991228		Method and system for autonomously allocating a frequency hopping traffic channel in a private radio system
58	☒	☐	US 5987037 A	19991116		Multiple beam wireless telecommunication system
59	☒	☐	US 5933421 A	19990803		Method for frequency division duplex communications
60	☒	☐	US 5920607 A	19990706		Adaptive wireless cell coverage
61	☒	☐	US 5884145 A	19990316		Method and system for autonomously allocating a cellular communications channel for communication between a cellular terminal and a telephone base station
62	☒	☐	US 5832022 A	19981103		Method and apparatus for controlling the modulation index of continuous phase modulated (CPM) signals
63	☒	☐	US 5812947 A	19980922		Cellular/satellite communications systems with improved frequency re-use
64	☒	☐	US 5812930 A	19980922		Information handling systems with broadband and narrowband communication channels between repository and display systems
65	☒	☐	US 5809423 A	19980915		Adaptive-Dynamic channel assignment organization system and method
66	☒	☐	US 5809395 A	19980915		Remote antenna driver for a radio telephony system
67	☒	☐	US 5802173 A	19980901		Radiotelephony system
68	☒	☐	US 5737358 A	19980407		Multiplexed radio communication system

	Current OR	Current XRef	Retrieval Classif	Inventor	S	C	P
55	370/329	455/447		Clark, Timothy Ian James et al.	☐	☐	☐
56	342/378	342/373		Dogan, Mithat Can et al.	☐	☐	☐
57	455/450	455/444		Haartsen, Jacobus C.	☐	☐	☐
58	370/480	455/103; 455/277.1		Gans, Michael James	☐	☐	☐
59	370/330	370/203; 370/281		Alamouti, Siavash et al.	☐	☐	☐
60	379/1.01	370/241; 379/15.01; 379/9.02; 455/63.1		Berg, Myron	☐	☐	☐
61	455/63.2	455/444; 455/450; 455/513		Haartsen, Jacobus C.	☐	☐	☐
62	375/142	332/106; 375/143; 375/297; 375/305; 455/44		Scott, Logan	☐	☐	☐
63	455/427	455/103; 455/12.1; 455/63.1; 455/67.13; 455/69		Dent, Paul W.	☐	☐	☐
64	725/62	370/490; 370/493; 375/132; 375/140; 725/116; 725/131		Zavrel, Robert Joseph	☐	☐	☐
65	455/452.2	455/464		Benveniste, Mathilde	☐	☐	☐
66	725/106	370/489; 455/20		Hamilton-Piercy, Nicholas Francis et al.	☐	☐	☐
67	379/56.2	455/561		Hamilton-Piercy, Nicholas Francis et al.	☐	☐	☐
68	375/133	370/341; 375/138		Ritz, Mordechai et al.	☐	☐	☐

	U	1	Document ID	Issue Date	Pages	Title
69	☒	☐	US 5736959 A	19980407		Earth-fixed cell beam management for satellite communication system using dielectic lens-focused scanning beam antennas
70	☒	☐	US 5715516 A	19980203		Method and apparatus for wireless communication employing collector arrays
71	☒	☐	US 5710758 A	19980120	32	Wireless network planning tool
72	☒	☐	US 5666648 A	19970909		Polar relay system for satellite communication
73	☒	☐	US 5652751 A	19970729		Architecture for mobile radio networks with dynamically changing topology using virtual subnets
74	☒	☐	US 5619493 A	19970408		Spread-spectrum, frequency-hopping radio telephone system with voice activation
75	☒	☐	US 5555257 A	19960910		Cellular/satellite communications system with improved frequency re-use
76	☒	☐	US 5548813 A	19960820		Phased array cellular base station and associated methods for enhanced power efficiency
77	☒	☐	US 5546443 A	19960813		Communication management technique for a radiotelephone system including microcells
78	☒	☐	US 5533011 A	19960702		Dual distributed antenna system
79	☒	☐	US 5513176 A	19960430		Dual distributed antenna system
80	☒	☐	US 5408496 A	19950418		Spread-spectrum, frequency-hopping radiotelephone system

	Current OR	Current XRef	Retrieval Classif	Inventor	S	C	P
69	342/354	342/372; 455/13.3		Patterson, David Palmer et al.	☐	☐	☐
70	455/422.1	455/509; 455/517; 455/524		Howard, David Amundson et al.	☐	☐	☐
71	370/241	370/254; 370/342; 455/67.16; 714/33		Soliman, Samir S. et al.	☐	☐	☐
72	370/321	342/352; 370/319; 455/13.1		Stuart, James R.	☐	☐	☐
73	370/227	340/2.4; 340/825.52; 370/228; 455/445		Sharony, Jacob	☐	☐	☐
74	370/330	370/335; 370/433; 375/133		Ritz, Mordechai et al.	☐	☐	☐
75	370/319	342/352; 370/329; 455/13.3; 455/428; 455/452.2; 455/63.1		Dent, Paul W.	☐	☐	☐
76	455/562.1	343/890		Charas, Philippe M. et al.	☐	☐	☐
77	455/450	455/449		Raith, Alex K.	☐	☐	☐
78	370/342	375/267; 455/276.1; 455/506		Dean, Richard F. et al.	☐	☐	☐
79	370/335	343/844; 455/276.1; 455/562.1		Dean, Richard F. et al.	☐	☐	☐
80	375/132	380/34; 455/447		Ritz, Mordechai et al.	☐	☐	☐

	U	1	Document ID	Issue Date	Pages	Title
81	☒	☐	US 5371780 A	19941206		Communications resource assignment in a wireless telecommunications system
82	☒	☐	US 5363376 A	19941108		Method and apparatus for synchronizing timing among radio ports in wireless communications systems
83	☒	☐	US 5363375 A	19941108		Method and apparatus for synchronizing timing among radio ports in wireless communications systems using hierarchical scheme
84	☒	☐	US 5280472 A	19940118		CDMA microcellular telephone system and distributed antenna system therefor

	Current OR	Current XRef	Retrieval Classif	Inventor	S	C	P
81	455/450	340/2.1; 340/825.02; 340/825.5; 370/335; 370/447; 370/461; 455/437; 455/512; 455/513		Amitay, Noach	☐	☐	☐
82	370/332	370/337; 370/350; 370/519; 375/356; 455/403; 455/436; 455/502; 455/67.13; 455/67.16		Chuang, Justin C. et al.	☐	☐	☐
83	370/332	370/337; 370/350; 370/519; 375/356; 455/403; 455/502; 455/67.13; 455/67.16		Chuang, Justin C. et al.	☐	☐	☐
84	370/335	342/375; 370/328; 370/517; 455/279.1; 455/562.1		Gilhousen, Klein S. et al.	☐	☐	☐